

PRODUCT INFORMATION



JWH 122 8-methylnaphthyl isomer

Item No. 9001037

Formal Name: (8-methylnaphthalen-1-yl)(1-pentyl-1H-indol-3-yl) methanone

MF: C₂₅H₂₅NO

FW: 355.5

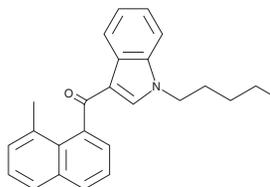
Purity: ≥98%

UV/Vis.: λ_{max}: 222, 246, 314 nm

Supplied as: A solution in methanol

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

JWH 122 is a synthetic cannabinoid (CB) that displays high-affinities for both central cannabinoid (CB₁) (K_i = 0.69 nM) and peripheral cannabinoid (CB₂) (K_i = 1.2 nM) receptors.^{1,2} It has been detected in commercially-available herbal products.³ JWH 122 8-methylnaphthyl isomer differs from JWH 122 in that the methyl group is attached to the naphthyl rings at the 8, rather than the 4, position. The biological and toxicological properties of this compound have not been characterized. This product is intended for forensic purposes.

References

1. Huffman, J.W., Mabon, R., Wu, M.-J., *et al.* 3-indolyl-1-naphthylmethanes: New cannabimimetic indoles provide evidence for aromatic stacking interactions with the CB₁ cannabinoid receptor. *Bioorg. Med. Chem.* **11(4)**, 539-549 (2003).
2. Huffman, J.W., Zengin, G., Wu, M.-J., *et al.* Structure-activity relationships for 1-alkyl-3-(1-naphthoyl) indoles at the cannabinoid CB₁ and CB₂ receptors: steric and electronic effects of naphthoyl substituents. New highly selective CB₂ receptor agonists. *Bioorg. Med. Chem.* **13(1)**, 89-112 (2005).
3. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and plants in Japan. *Leg. Med. (Tokyo)* **13(3)**, 109-15 (2011).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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